

THE CITY JADS AT WORK

A Regular Monthly Meeting of the Common Council and Many Matters Considered.

The Water Contract Goes Back to the Committee Under a Protest.

Better Fire Protection for the Sixth Ward—Bills Allowed—Reports of City Officers.

A regular meeting of the city council was held last night; present: Mayor Fuller, Aldermen Loebe, Harrison, Richards, Lissner, Petherly, Donnelly, Brown, Spencer, Thieme, Dunn, Adkinson, Allen, Klein. The minutes of the previous meeting were read and approved.

City Marshal Hard reported that during the month of November 173 arrests had been made and work aggregating \$233 had been performed by city prisoners.

Street Commissioner Evans reported having expended \$2,011.56 for work on the streets. Judge Sanders reported having heard 168 cases during the month and collected \$146.40 in fines which had been given to the city treasurer. The reports were accepted.

An extended report from City Engineer Miller giving a detailed account of sewer construction was read and referred to the auditing committee. This will be found in another column. Alderman Richards, of the street and alley committee, recommended the construction of a sidewalk on the east side of Warren street. Adopted.

The petition of Messrs. Appleton and Health asking the council to meddle in some difficulty which they have with W. A. Chessman relative to a ditch, was referred back to the petitioners with instructions to settle it among themselves by process of law.

Alderman Loebe recommended that a light should be placed on Catholic hill for the benefit of the many church-goers at that place and upon his motion the matter was referred to the light committee.

A long list of bills were read among which were, \$500 for hose, etc., \$836 for electric light; \$229.20 to Marshal Hard for board of prisoners; \$742.75 for sundries; \$616.25 for making connections with flushing tanks and sewers; \$315 to Emil Kluge for street grading; \$308.04 sewer pay roll; \$270 for scavenger services; \$255.78 to Sanford & Evans for lumber; \$202 to P. P. Miller for hardware. A bill for \$5,225 from the Gamewell fire alarm company, for the balance due on the new system was read. On motion of Loebe the clerk was instructed to draw a warrant for \$350 and the balance to be paid in installments as per contract.

Alderman Spencer, of the public buildings committee, recommended that the floor of the engine house be repaired. Adopted. A petition from C. A. Grissinger to be allowed to build a toboggan slide near Helena avenue for the period of three months was referred to the street and alley committee.

A communication from Messrs. Balliet and Clements, attorneys for Mrs. E. B. Hewins, was read in which was stated that Mrs. Hewins is the owner of lot 62 in block 12 on Park street and is opening the street at the junction of Park and Benton a portion of her property was appropriated by the city and she asks that the city pay her \$500 for the same. The committee is called to the fact that Messrs. Deutrow and McManus sued the city and in the district court the property owners secured judgment.

This matter brought up some discussion. Clerk Botkin said that no judgment had ever been secured against the city in the cases cited; that the claims were arbitrarily settled. Alderman Harrison said he had been on a committee which settled one of those cases and has since believed that the committee was hoodwinked into settling the claim. He was of the belief that if a suit was instituted the city would come out all right, and this will probably be the result, as the matter was referred to the street and alley committee.

City Treasurer Brown presented a bill for \$64 which he had paid out for assistance in making up the assessment roll. It was referred to the ways and means committee.

The Water Question.

Under the head of unfinished business the mayor called up the water contract question. Loebe thought in view of the fact that Mr. Chessman, president of the water company, was out of town, that the matter should be postponed. Thieme moved that the ordinance be referred back to the water committee. At this point Harrison got up and said: "And you might as well instruct the committee to appoint a superintendent of waterworks, thereby completing the ruin you have thrust upon this company. The ordinance as amended is an outrage. These people have invested their money here; I don't care whether they live in England, Scotland, Boston or New York, as long as they have put their money in Helena, they deserve some protection and should be treated with fairness; they surely should be treated as though they were not a pack of thieves. Therefore, I move that we hold a special meeting next Tuesday, and leave all prejudices aside as to the length of time for which the contract shall be granted; first let us fix up a contract which will be satisfactory to all, let us reconsider this contract and arrange it properly. There has been talk of underground work in connection with this business, but there is none so far as I know. The people want this business settled. I am tired reading the Journal more tired of reading the Independent after day sick of reading the Herald day after day asking when this thing will be fixed. If we can't do it we had better dissolve and get a new set of men in this council who will. I now move that we hold a special meeting next Tuesday to reconsider the contract with this business. We are here to draw up this enactment and it makes no difference whether Mr. Chessman will be here or not."

There was no second to Alderman Harrison's motion and Loebe deplored it would not prevail. Thieme's motion was then put and carried.

Thieme, of the light committee, notified the council that the contract with the electric light company would expire January 1, and the clerk was instructed to advertise for bids for supplying the city with light for a period of one year.

To Benefit the Sixth Ward.

Alderman Loebe introduced the following resolution, which was adopted: Resolved that the committee on fire department be instructed to report upon the feasibility and expense of establishing an electric fire alarm bell at or near the Northern Pacific depot to be connected with the Gamewell fire telegraph system.

In connection with this Alderman Harrison suggested that the committee recommend that the tower bell be placed at the depot and a larger one be secured for the city.

Alderman Thieme further suggested that in view of the rapidly increasing size of the depot district, a night watch should be employed down there and also that a horse should be kept on hand for hauling the heavy hose cart provided for the depot. These matters were also referred to the fire committee.

Alderman Adkinson called attention to an embankment on Sixth avenue near Davis street, which stood ten feet high and showed signs of caving. After some discussion as

to authority the city clerk was instructed to notify the owner to remove the nuisance and Street Commissioner Evans was likewise empowered in a similar case on East Broadway, or to make the bank secure.

Several petitions for sidewalks were appropriately referred and the council adjourned.

District Court Proceedings.

The following were the proceedings in the district court yesterday:

4884—J. Holzberg et al. vs. Watson M. Young; judgment granted for plaintiff; decree signed.

4754—Samuel J. Barber vs. John Briscoe; ten days to file statement of appeal granted.

1258—Harriet E. Easton; motion to quash information; taken under advisement.

4224—Joseph E. Rabin et al. vs. B. Schantz; bill announced by Samuel Alexander rejected and time for further bids extended until December 11, at 10 a. m.

In the matter of application of Annie Carr for writ of habeas corpus, proceedings dismissed.

3901—State vs. Carl Hoffman; motion that defendant be released upon serving one day for every \$5 of fine granted.

4054—First National Bank of Helena vs. Helena Steam Power and Light company; default of all defendants except H. M. Parthen entered.

For the finest assortment of Holiday gifts for gentlemen, visit the "New York" Atlas building.

Patents Received.

The following cash patents were received at the land office yesterday from Washington:

1360—David E. O'Keefe.

1361—Thos. Rittenour.

1362—Heirs of Geo. W. Porter.

1363—James Clark.

1364—Prosper Paul.

1365—Chas. F. Brewster.

1366—Fanny Ellis.

1367—David B. Miller.

1368—James J. Clark.

1369—John Ferguson.

1370—Wm. H. Johnson.

1371—John J. Farrell.

1372—Dominick Byrne.

1373—Harriet E. Davis.

1374—Joseph Heisterline.

1375—Axel Schelstad.

1376—Peter Dunner.

1377—Daniel Corcoran.

PERSONAL.

C. H. Hand, of Butte, is in the city.

J. E. Kanouse, of Townsend, is at the Cosmopolitan.

S. H. Huntley returned yesterday from a protracted visit to Chicago.

A Lambeth, the well known mining man, started for St. Louis yesterday.

Mrs. W. B. Edgar left yesterday via the Northern Pacific for Jackson, Michigan.

M. C. Handmann, son of Herr Daniel, is in the city arranging for the appearance of his father's Shakespearean festival.

F. E. Chadbourne left yesterday evening via the Northern Pacific for a three weeks visit to Ripon, Wis., and Hugh McQuaid feels lost.

Buy your Christmas slippers at Fred Gamewell's; the largest and best selected stock in town.

Wedding Bells.

Frank E. Alvord of Gregory, and M. Kate Kleekner of the city, were united in marriage at the Cosmopolitan hotel parlors last evening by the Rev. D. P. Price of the Grand street Methodist church. The bride, who recently came from Keosauqua, Iowa, was attired in delicate French fashions. After the ceremony a number of friends joined them in an elegant repast served in the hotel dining room. The newly wedded couple will leave this morning via the Manitoba railway and will visit many cities including Cortland, New York, the former home of the groom and will return in the spring to make their home in Montana.

THE SOUTHERN CROSS.

The First Clean-up Made and the Result Very Flattering.

The result of the clean-up from the first run of Southern Cross has been awaited with interest and the outcome is most gratifying to the company. The report was made to Butte and of the matter the Inter Mountain of Monday says: One more has been added to Montana's list of bullion producers. The Southern Cross gold mining company made a clean-up on Saturday from its first run in the new ten-stamp mill just completed by Salton Cameron, a half mile below the mine. The mill had been running twenty four days, but in the early part of the run five of the stamps were idle a part of the time owing to the rock-breaker not being ready for work, some of the parts not having been received until the mill had been running ten or twelve days. So it is fair to estimate the length of the run at about three weeks, crushing twenty tons per day. Secretary Platt arrived home from the mine yesterday, bringing in with him a chunk of gold retort almost the size of one's head and valued at between \$4,000 and \$5,000. The saving shown in the mill is about \$100 per ton, or from 60 to 70 per cent of the assay value of the ore milled. The result is very satisfactory to the company, as the ore represents an average of the bulk of ore in sight, which is fully 50,000 tons. The run settles in the affirmative the question of whether or not the free milling process is all that is required to save the Southern Cross gold. The efficient shown by the mill in this run will be considerably increased by the addition of more tables, and it is also probable that free vanners will be added. Experiments to determine their utility will be made, and it is expected that the end to increase the saving 75 or 80 per cent.

The mill is under contract to work on Southern Cross ore until the 1st of June.

On the 25th-foot level Superintendent McConnell is getting ready for stopping and has put in six sets of timbers across the vein, without yet finding the foot wall, showing a width of ore body at that depth of at least twenty-seven feet.

NOTARY SEALS—New ones made and old ones changed. C. E. Kemp, Helena, Mont.

Criminal Matters.

Ed Woertendyke, the young man charged with endorsing a check for five dollars with the name of E. B. Mortimer and claiming that was his name, had a hearing before Judge Sanders yesterday, who held him over to the district court.

Woertendyke insists that he is innocent and claims that the evidence of Nichols, one of the witnesses who testified against him, did so out of malice which he will explain in the district court. He was placed in jail on a failure to secure \$400 bonds. His young wife was by his side during the trial and her parting as the young man was led to the county jail was very affectionate.

Judge Woodman yesterday gave a decision in favor of Quentin in his case with Sears, the pugilist.

Make a Switch.

Go to A. J. Davidson & Co.'s for a pair of Nason's patent runners for buggies and hacks.

Twenty-five per cent. discount on all suits and troupings for thirty days only at John B. Johnson's.

Notice.

The members of the Presbyterian church and congregation are reminded of the congregational meeting for the purpose of electing additional elders, and hearing the amended report of the board of deacons. It is to be held at the church this evening at the close of the prayer meeting at 8:30 o'clock. All are requested to attend.

THE SEWERAGE OF HELENA

Engineer Miller's Report of What Has Been Accomplished During the Past Two Years.

What the Sewers Have Cost and to Whom the Money Was Paid.

A Record of the Important Work and What Remains to Be Done in the Future.

City Engineer G. N. Miller has prepared a pamphlet on the sewerage of Helena. The work purports to be a concise history of the sewerage system since it was first proposed. It gives the engineer's report to the council in 1888, of his designs for the system and a general information descriptive of the methods by which the work would be carried on. Accompanying it is a map of the city, showing where pipe has been laid and what it is proposed to do, also illustrations of the flushing tanks used, storm sewers and manholes and a tabulated statement giving a record of sewers built in the city during 1888-9, which makes a grand total of 25.5 miles. A report of the work accomplished was read at the council meeting last night and comprised the engineer's report. The pamphlet will prove valuable for future reference. That portion read to the city council last evening is as follows:

While the sewerage plans were accepted by the city government the 13th day of May, 1888, no construction work was commenced until the 24th day of September, of the same year. The delay was occasioned by the time required to place the \$150,000 sewer bonds voted by the citizens in April. Finally a contract for 7.1 miles of main sewers was let to Messrs. Green & DeWitt, for the amount of \$113,025.61, and also one to M. H. Keefe for 1.1 miles of lateral sewers for \$15,818.53. This work was carried on during the fall and winter, and finished in the latter part of April, 1889.

The contract for the outlet sewer from the intersection of Harris and Elm streets to the irrigation field, a distance of 1.0 miles, was let early in the spring to S. T. Porter, for the sum of \$6,491, and completed by the last part of May, 1889.

On the 15th day of June, 1889, sewer bonds to the amount of \$150,000 were sold for the construction of fifteen miles of lateral sewers recommended by me to the city council, Nov. 28, 1888; the estimate being \$133,767.95 for the carrying out of this work.

A contract for 4.8 miles of the above work was let to Messrs. Burke and Fitzgerald, May 6th, 1889, for the sum of \$36,940; another of 5.4 miles, embracing that portion of the east side between Helena avenue and Pine street and Davis and Main streets, was advertised for bids June 11th, 1889. Two bids were received, the lowest being for the sum of \$62,270, or \$11,500 per mile, which was above \$3,500 per mile greater than my estimate on this section of the work. Both of these bids were rejected and the work was done by day labor, at a cost of \$37,457.81, making a total saving to the city of \$24,912.19. An additional section of 6.4 miles of lateral sewers have since been built by day labor for \$52,000, or at a cost of \$8,110 per mile. The total cost of the 25.5 miles of sewers constructed is \$275,280, inclusive of engineering and inspection, being about \$10,600 per mile. This includes the most expensive part of the work, as nearly all of the main sewers in the system are completed.

If the remaining 17 miles of lateral sewers, included in the original design for 43 miles, were constructed, the cost per mile would not exceed \$9,000 or about \$1,000 per mile less than the original estimate submitted with the plans. The sewers remaining to be built are nearly all through good material where no rock excavation would be encountered, that material having increased the cost of the work so far completed about 20 per cent.

Forty acres of land have been purchased for \$6,100, at the northeast corner of the city limits, to be used for a sewerage farm and irrigation field. An additional house and barn has been built and other necessary improvements made at an expense of about \$1,700. The improvements consist of ditches, fences and a well seventy-three feet in depth, with a sufficient supply of water.

The sewage is delivered on the southwest corner of the farm through a wooden box 120 feet in length, from the end of the outlet sewer, sufficiently covered with earth to prevent freezing. From this place, which is the highest point on the farm, it is distributed to any portion through open ditches by gravity, the land having a natural slope of nearly one per cent in a north-westerly direction. The east fork of Dry Gulch runs through the southeast corner of the farm and in the rainy season, when the sewage is not needed for irrigation it can, with safety, be turned into this water course.

The farm has been rented for three years at \$25 per annum. A much greater revenue is expected when the land is properly improved. The frontage is a view taken of the sewage farm Oct. 15, 1889, by Robert Westing, chief draughtsman of this department.

The main sewers were built of vitrified salt-glazed sewer pipe, furnished by the Montana Mining and Manufacturing company, of Butte, Montana, but owing to the heavy haul and frequent delays in transit experienced last season, it became necessary to adopt material that could be obtained at a more convenient point in order to complete the sewerage system in a timely manner so much needed this season.

The contract for the pipe was therefore awarded to the Helena Sewer Pipe company, they being the lowest bidder at twelve miles for \$2,132.55. This pipe was manufactured of German Portland cement, the "Faber Brand" being used, in the proportion of one part cement to three parts of sand. The pipe was made under the supervision of a city inspector stationed at the factory.

Prices of material and labor in this city are as follows: Portland cement, \$5.00 per barrel; brick, \$3.65 per M; castings, 1 cent per pound; common labor, \$2.50 per day; foreman, from \$4.50 to \$5.00 per day; brick masons, \$6.00 per day, and teams \$5.00 per day.

Taking into consideration the prices paid for labor and material, I consider the 11.8 miles of lateral sewers built by day labor, at a cost of \$63,000, or \$7,800 per mile, inclusive of engineering and office expenses, to be very cheap. Owing to the saving effected by conducting the work in this manner, we have been able to construct two miles more of sewers than was anticipated when the work was started in the spring.

The outlet sewer on Preston street and the county road to the irrigation field has been built of 12-inch pipe instead of 18-inch, as originally designed. This was done to save first cost and will be of sufficient capacity for several years to come.

When the second outlet sewer on Oak street is built from the house sewer at the intersection of Phoenix avenue and Harris street, the size should be increased sufficient to compensate for this change. The city will then, undoubtedly, be better able to bear the expense than at present. The storm sewer from the overflow will also have to be built two or three blocks down the valley to discharge the storm water into the nearest point of the east fork of Dry gulch.

The outlet sewer for district No. 1, d. s. charges, temp. 100° to 110° in last Chance gulch below Lyndale avenue, is to be built to the extent of 100 feet to the north line of the city limits, and thence easterly to the irrigation field. When this

extension is made a storm overflow should be built at a point about 400 feet north of Lyndale avenue.

Nothing new or unusual has been encountered during the progress of construction. The work of excavating ditches, timbering, laying pipe, etc., having been fully described in the reports of other sewerage works, is therefore omitted. The accompanying map shows the constructed sewers in full red lines and those remaining to be built in dotted lines. The location of flush-tanks, man-holes and lamp-holes are also shown. The tabular statement gives the size and length of sewers as built with man-holes, lamp-holes and flush-tanks. Man-holes with perforated cast-iron covers have been built of 8-inch brick work at nearly all street intersections, varying in size from 4 to 5 feet in diameter, plans of which are shown in the accompanying cut.

The sewers are laid to exact lines and grades so that the full size bore can be seen from one opening to another, except in a few places where it has been found expedient to deviate from this rule. The gradients throughout the city are quite good, and with the 75 flush tanks now in use I do not see why the sewers should ever become obstructed.

Eight-inch pipe is the minimum size used except that in a few blocks 6-inch pipe was substituted on streets where the grades exceed 20 per cent.

If rules and regulations governing house drainage and plumbing are properly enforced, the sewers will never fail to render the service for which they were intended.

G. N. MILLER, C. E.

Helena, Mont. Nov. 30, 1889.

Marcus Daly's Missoula Ranch.

Bitter Root Bugle: Marcus Daly, who seems to have been successful in every enterprise he has undertaken, having investigated the possibilities in this part of the state, has commenced a series of improvements which would do credit to any country.

His mammoth barns, stables, carriage houses, tenant houses, and his fine farm residences are structures of beauty as well as utility. His grounds are all fenced on the broad-gauge plan, nothing diminutive in that line. His race course and ground, ornamented by costly shade trees, is a fit resort for the most fastidious of sports. The outlay in fruit trees alone on these ranches is gigantic. The reputation as a horse country that we are now fast gaining, is due to the enterprise of this generous and public-spirited gentleman. Some of the best horse blood that money could buy is now housed in these aristocratic enclosures. Others are preparing to branch out into the horse industry and there is no reason to doubt, as the way is now open, that we can produce a first-class horse for any purpose, riding horses, draught, truck, coach, roadsters, or any variety for which there is a demand. Let each be bred for a particular purpose and we are bound to make horse-raising a success.

Real Estate Transfers.

The following real estate transfers were filed for record with County Clerk and Recorder Tooker yesterday:

John S. M. Neill et al. to Frank E. Alvord, lot 3, block 74, Northern Pacific addition, \$ 700

Alva J. Carpenter et al. to W. E. Carpenter, 160 feet in block 64, Northern Pacific addition, \$ 100

Don Davenport Coal Company, sole agents for Cinnabar cooking coal.

Try It.

Try our best patent flour, the best in the market, and Whittaker Star brand, at JOHN T. MURPHY & Co.'s.

HELENA IN BRIEF.

G. W. Jackson, music dealer.

Dinner from 12 to 5 at the Bon Ton.

G. W. Jackson, music dealer, Bailey building, Main street.

James W. Barker, merchant tailor, Main street, opposite First National bank.

Go east via the Montana Central and Manitoba railways, the new sleeping and dining car route to St. Paul and the east. Through trains leave Helena daily at 11:35 a. m.

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Commenced Monday, December 26, at Pope & O'Connors Old Stand, No. 23 South Main street, and sale will last until stock is closed out.

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SALE EVERY DAY AT 2 TO 7 P. M.

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A GRAND DISPLAY

DIAMONDS, WATCHES

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Ladies' Solid Gold Watches at - \$20

Three Stone Diamond Rings at - \$15

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